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Anti-H91AHin47 Antibody Titers in Mice

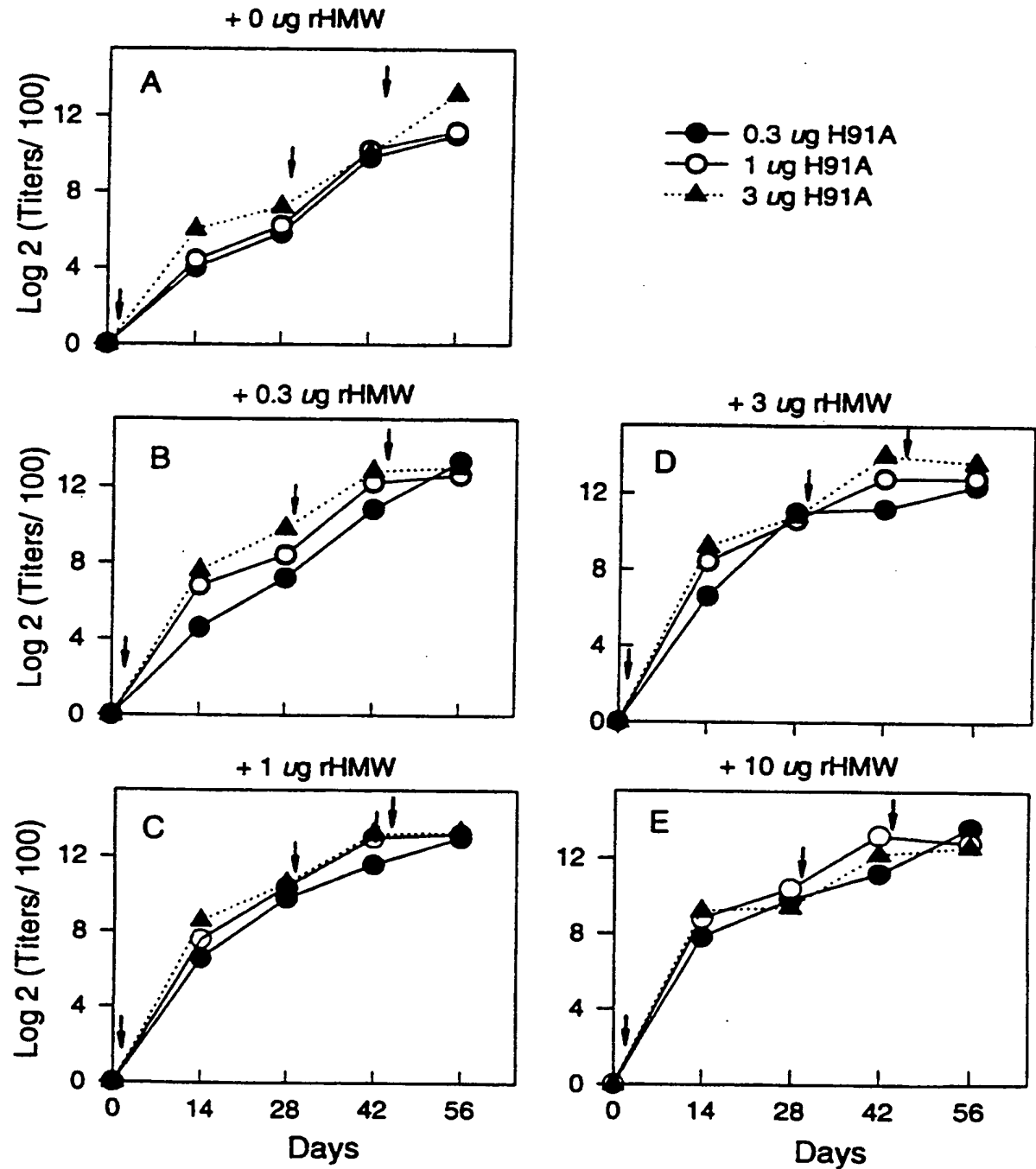
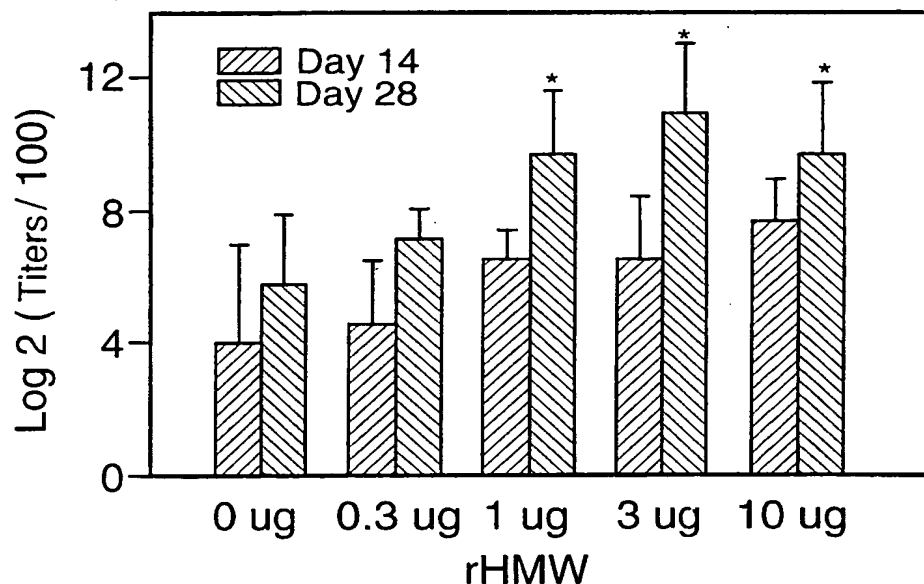


FIG. 1

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Primary Anti-H91AHin47 Antibody Responses in Mice



Groups of 5 mice were immunized with 0.3 ug of H91AHin47 on day 1 in the presence of various amounts of rHMW. Blood samples were collected on days 14 and 28.

*Statistical significance was found when compared to the control group by student *t* test

FIG.2

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Anti-rHMW Antibody Titers in Mice

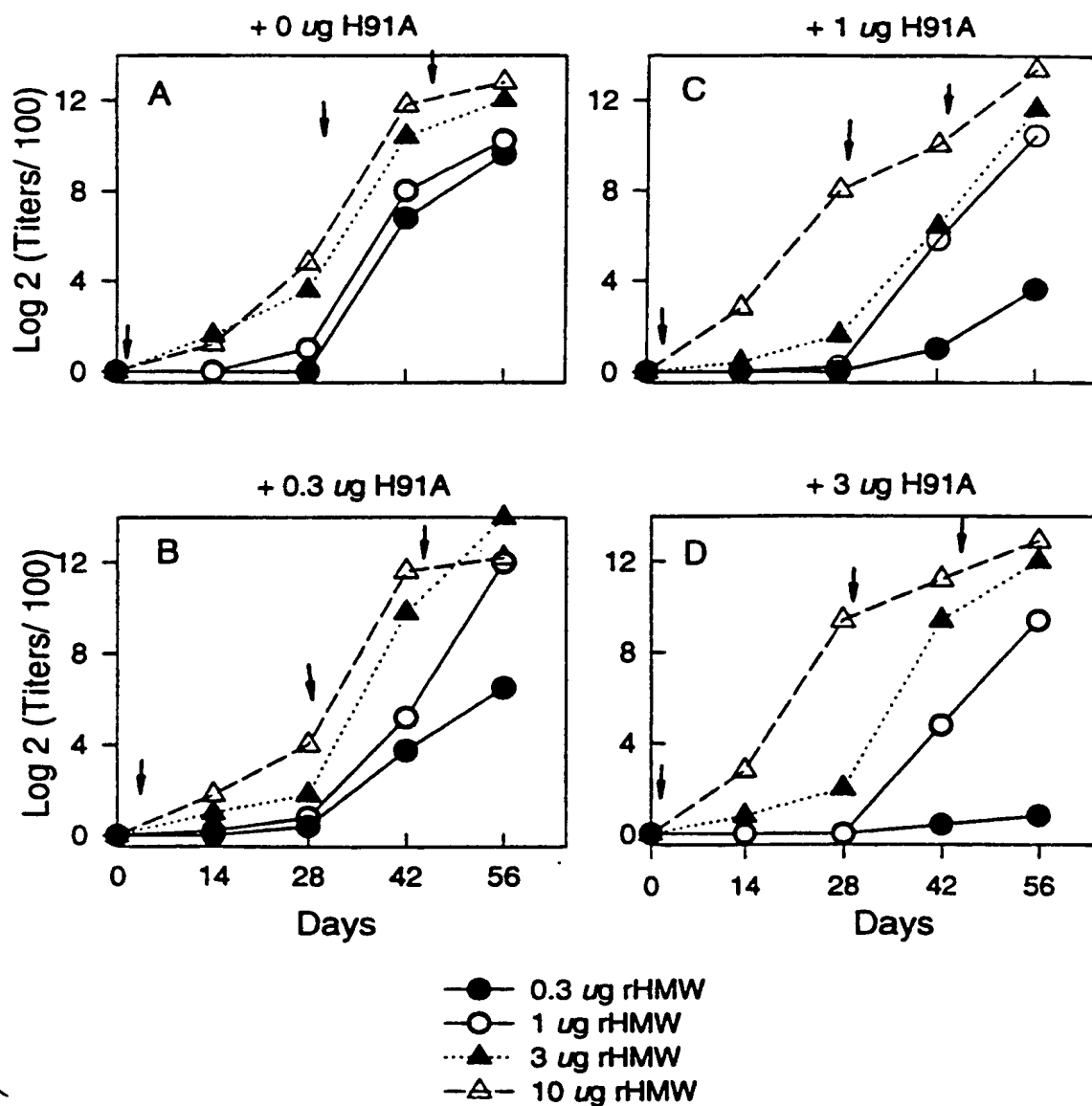
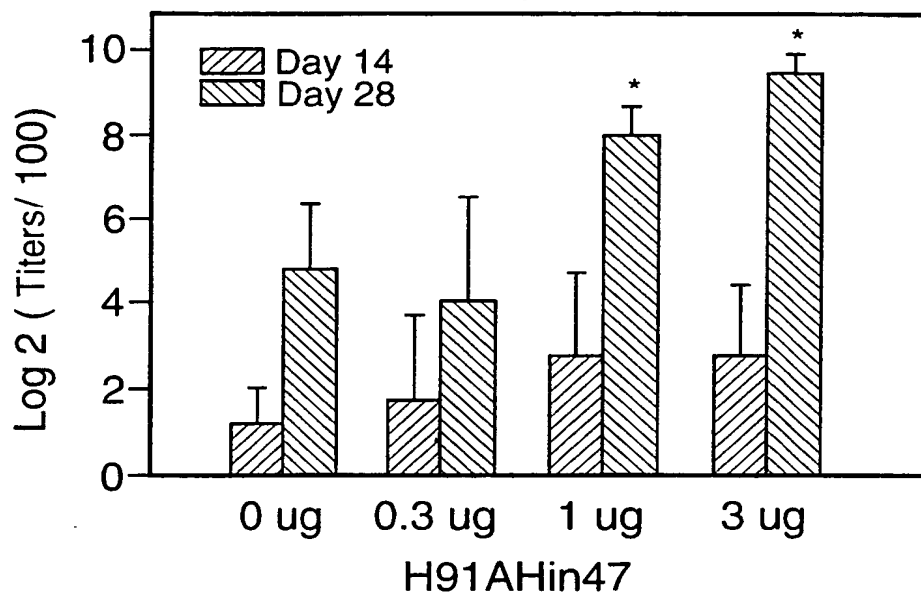


FIG. 3

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Primary Anti-rHMW Antibody Responses in Mice

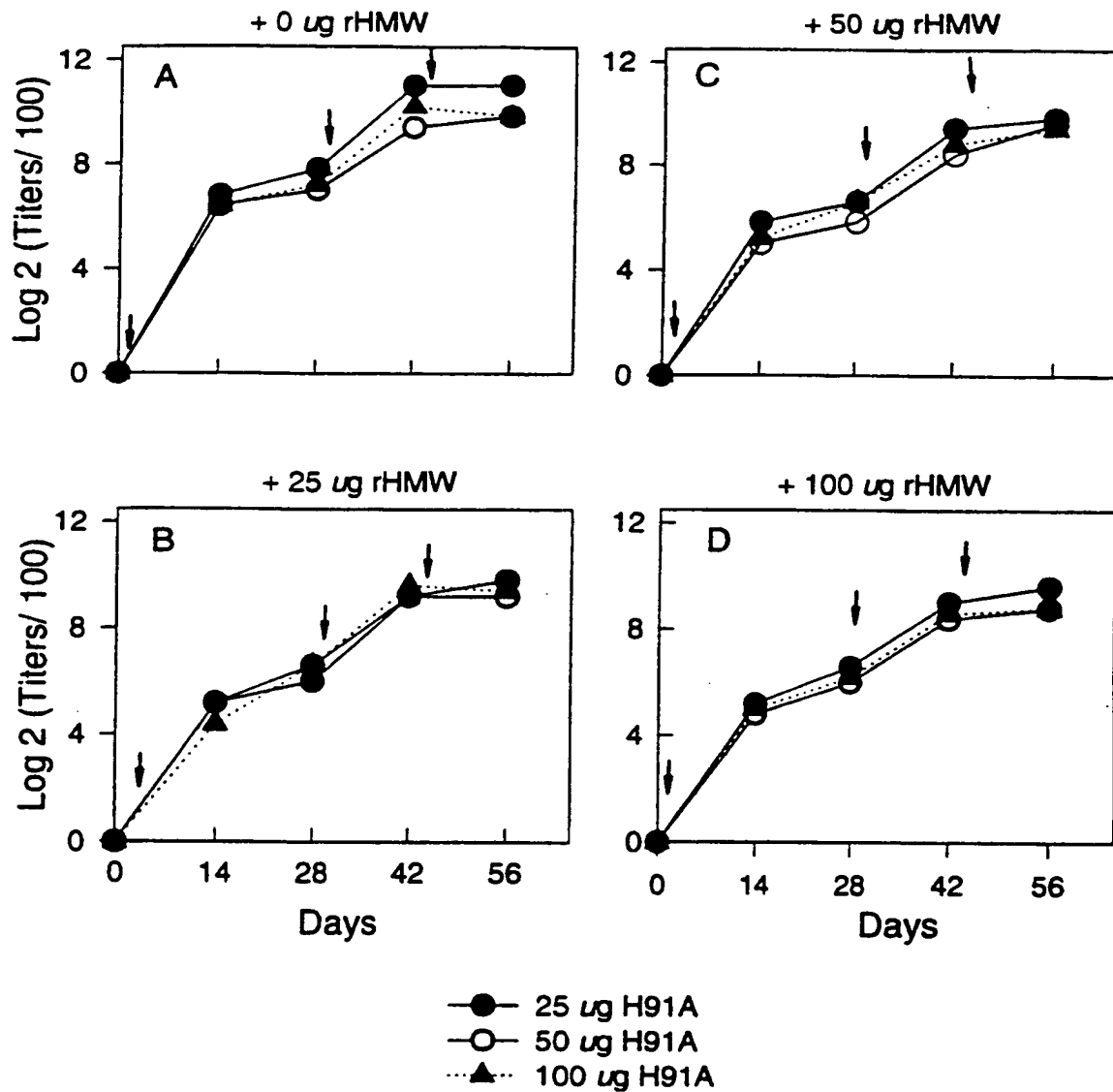


Groups of 5 mice were immunized with 10 ug of rHMW on day 1 in the presence of various amounts of H91AHin47. Blood samples were collected on days 14 and 28.

*Statistical significance was found when compared to the control group by student *t* test

FIG.4

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Anti-H91AHin47 Antibody Titers in Guinea Pigs**FIG. 5**

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Anti-rHMW Antibody Titers in Guinea Pigs

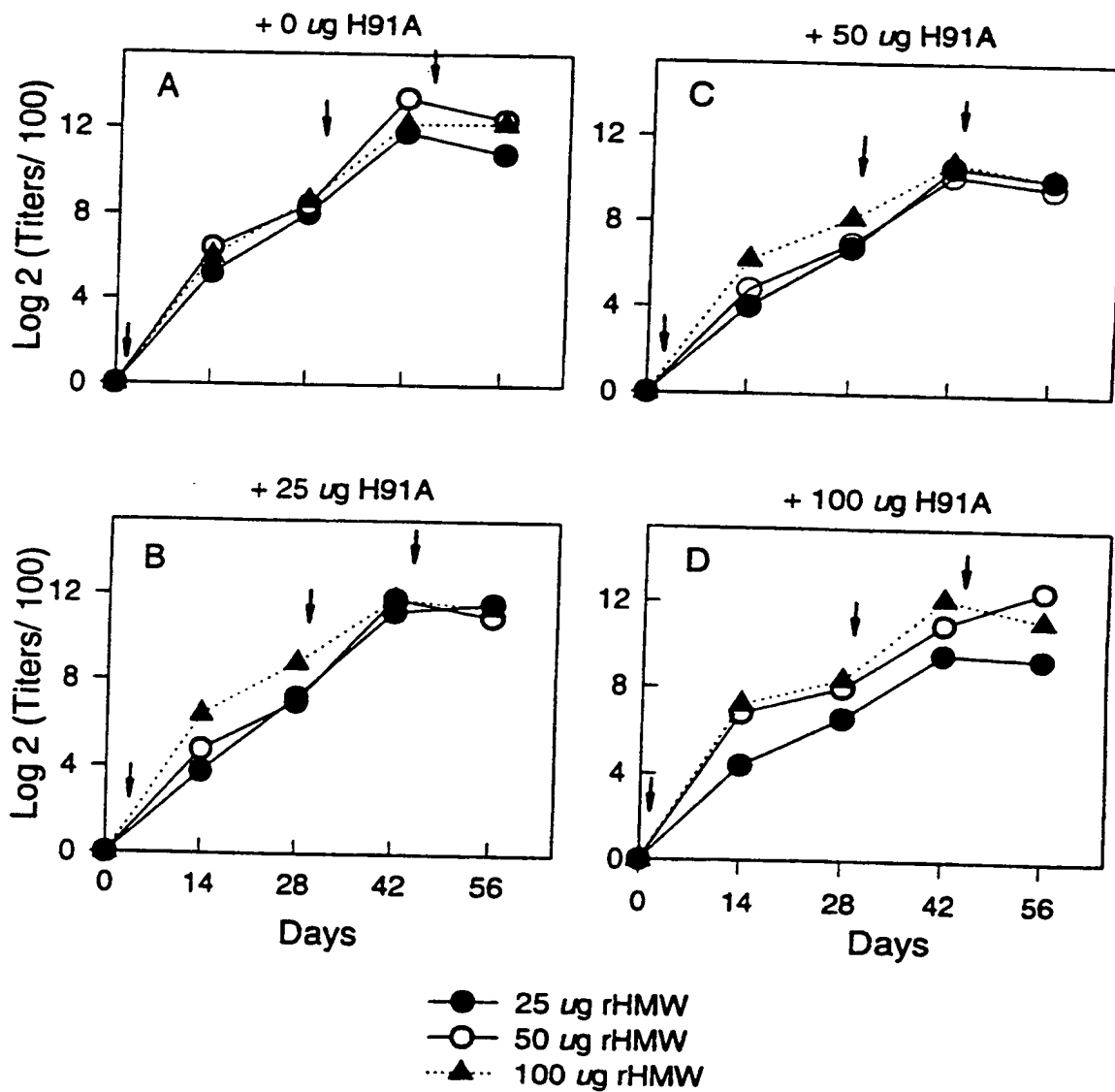
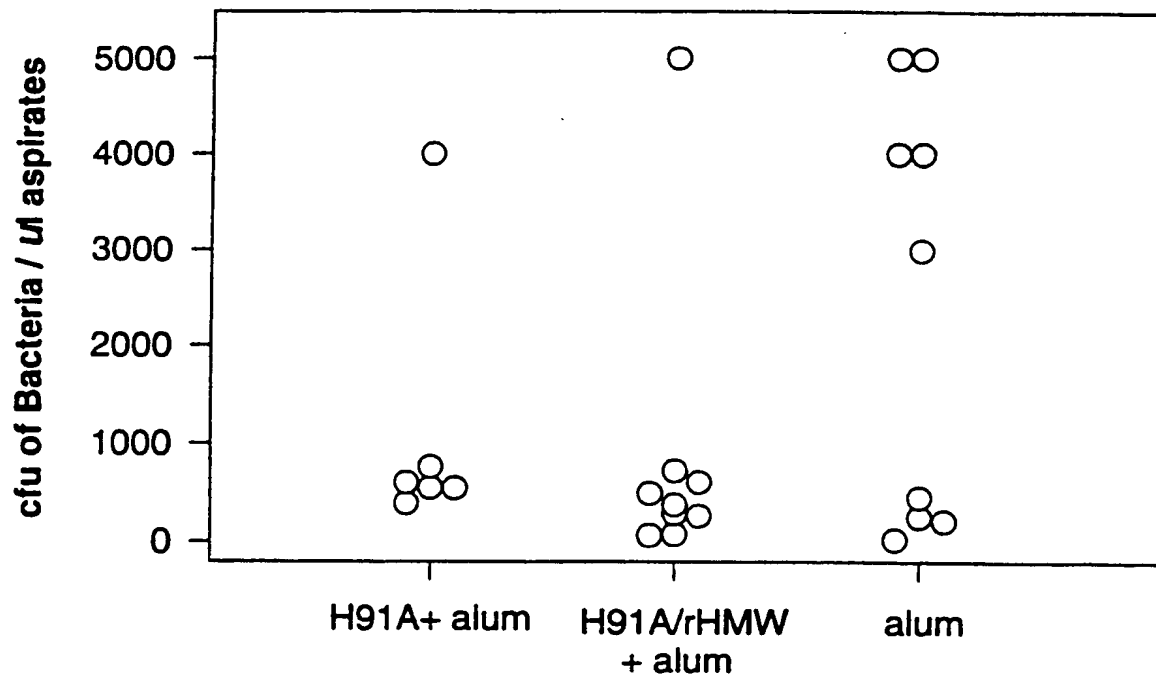


FIG. 6

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**Protective Ability of A Two-component *H. influenzae* Vaccine
Against Intrabulla Challenge with NTHi Strain 12 in Chinchillas**

**FIG. 7**

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**Protective Ability of A Two-component *H. influenzae* Vaccine
Against NP Colonization with NTHi Strain 12 in Chinchillas**

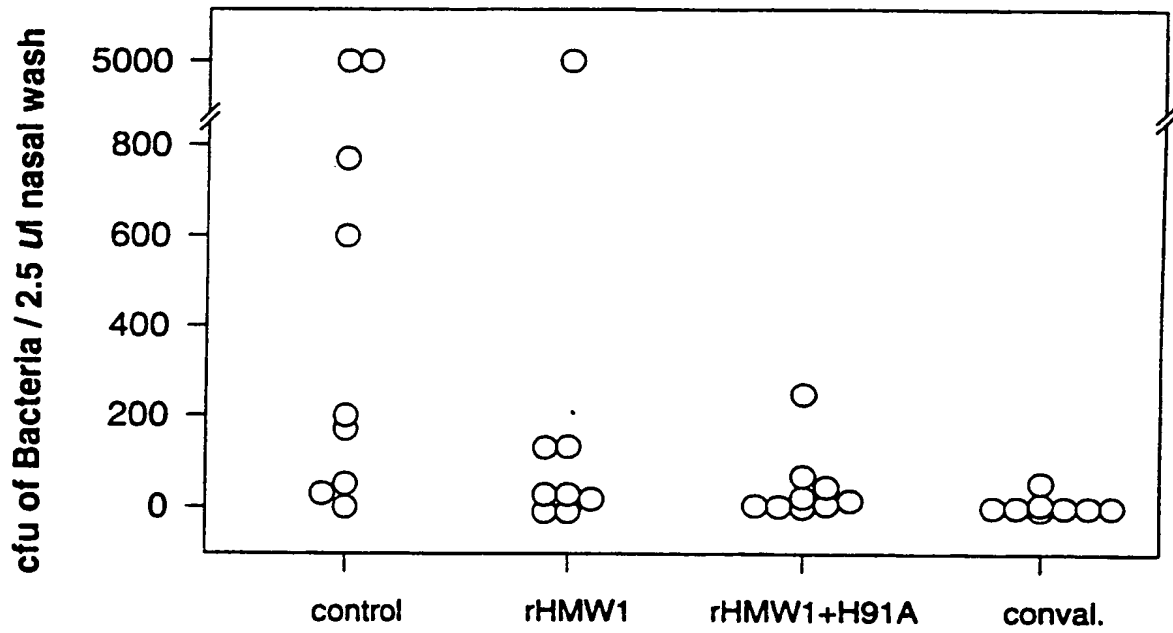
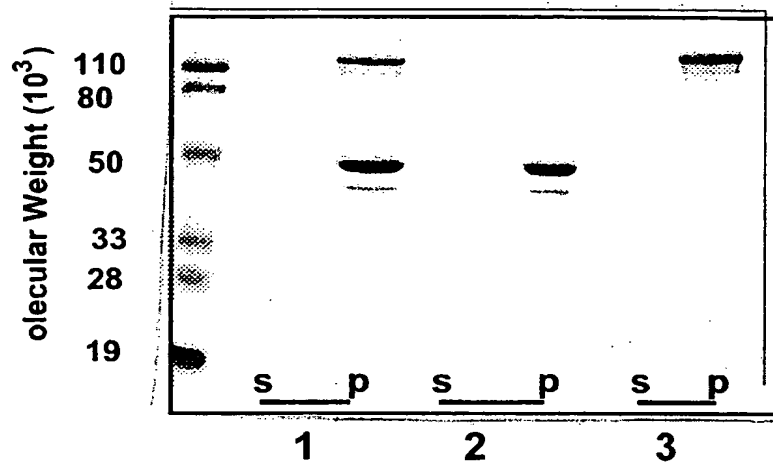


FIG. 8

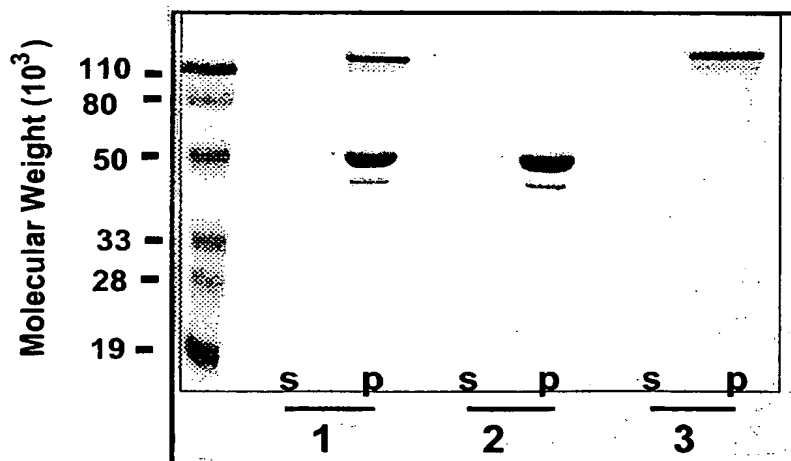
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The Stability of H91AHin47 and rHMW Adsorbed in Alum

Time 0



After 2 weeks



1. H91AHin47 + rHMW
2. H91AHin47
3. rHMW
- s. Supernatant of alum suspension
- p. Aluminium sulfate adsorbed proteins

FIG. 9

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Anti-H91A and HMW1 Antibody Titers in Guinea Pigs

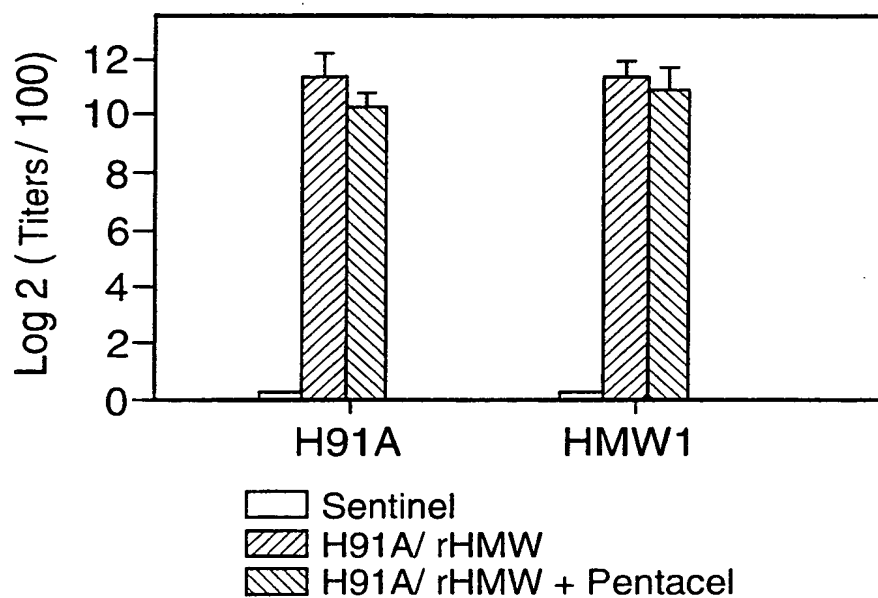


FIG.10a

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Anti- Pentacel Component Antibody Titers in Guinea Pigs

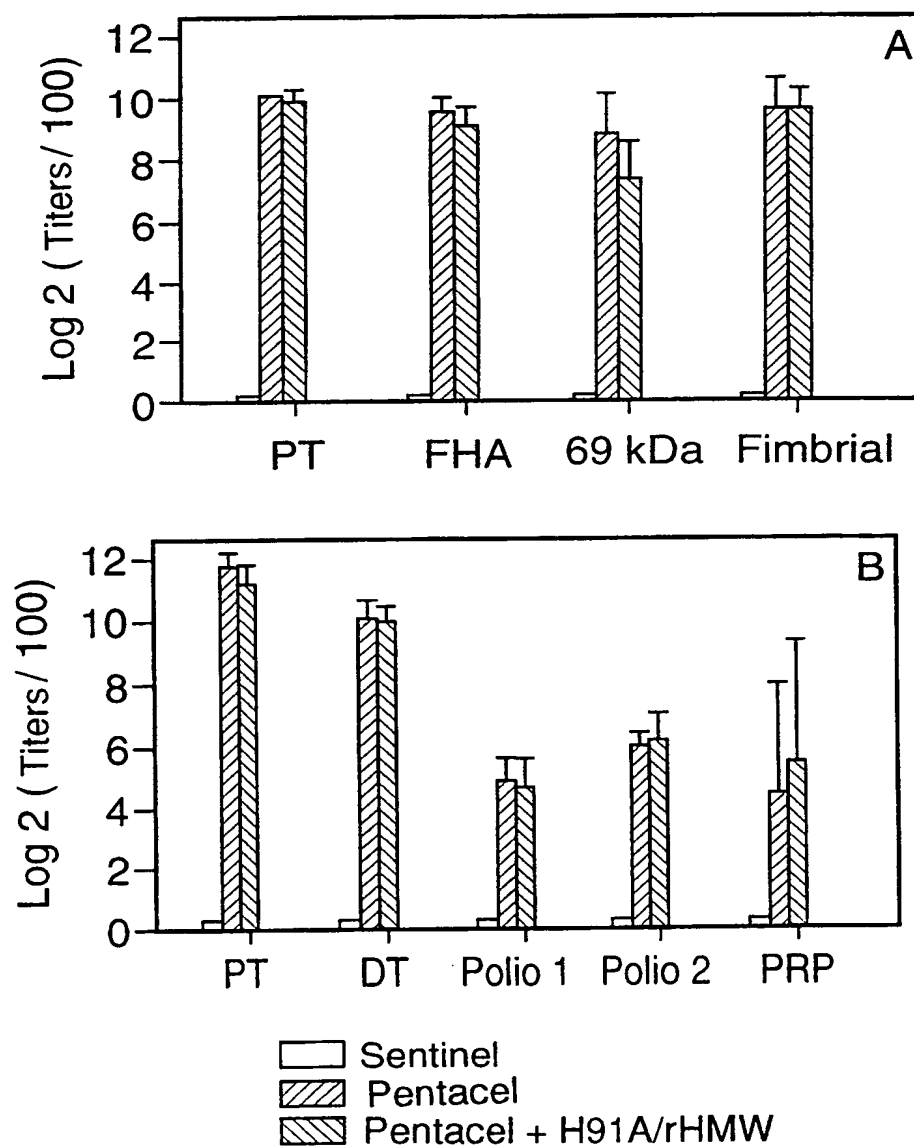


FIG.10b

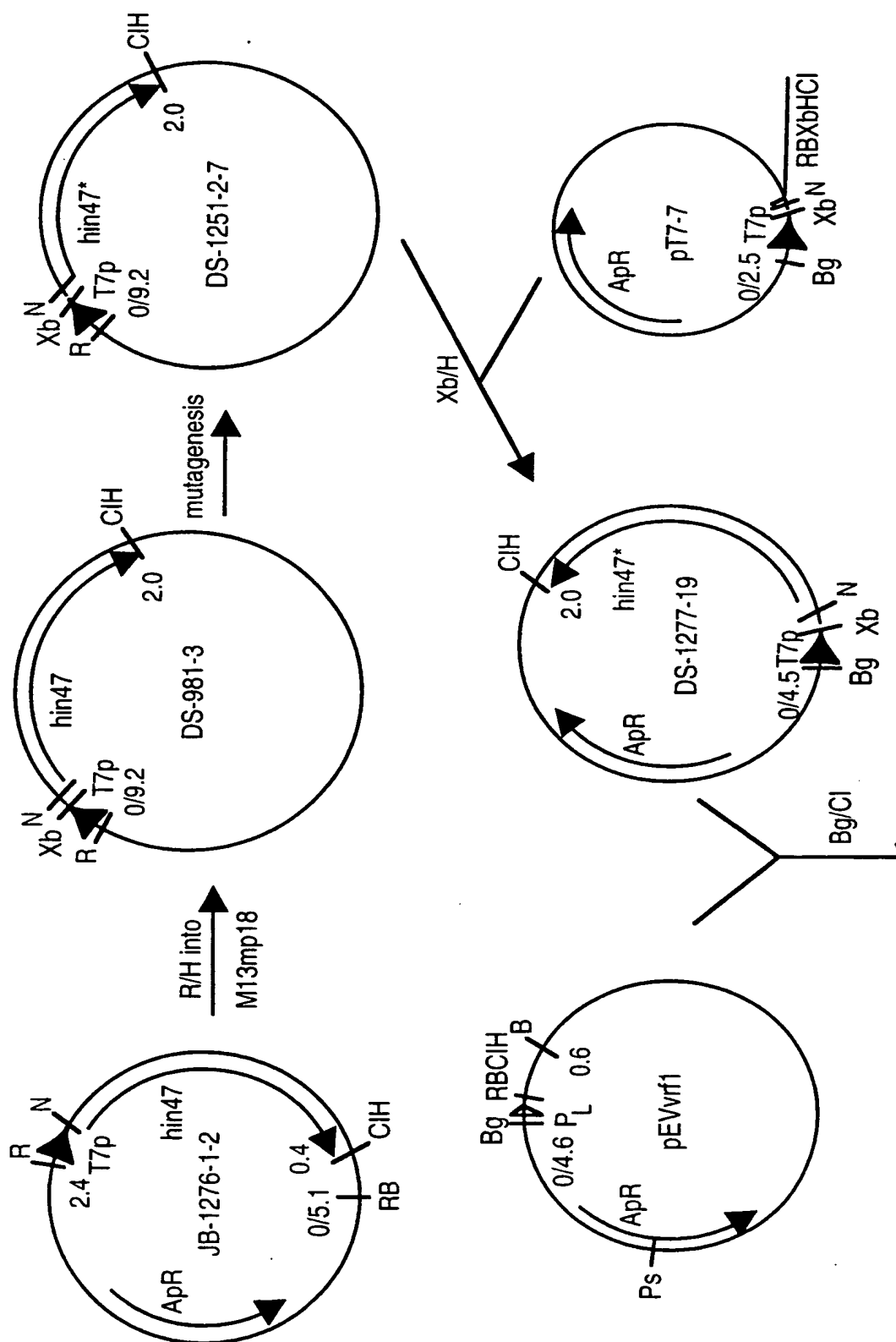


FIG.11a

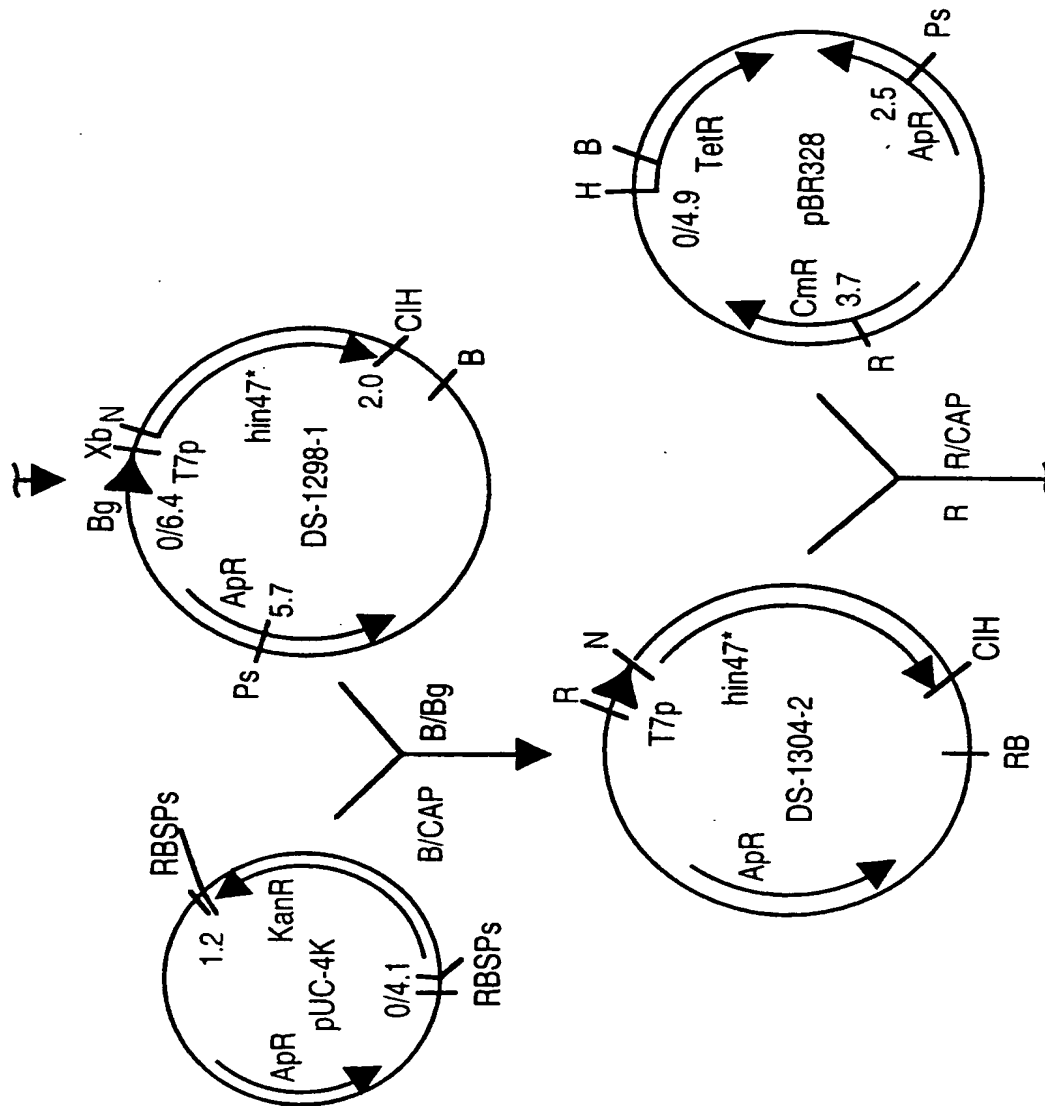
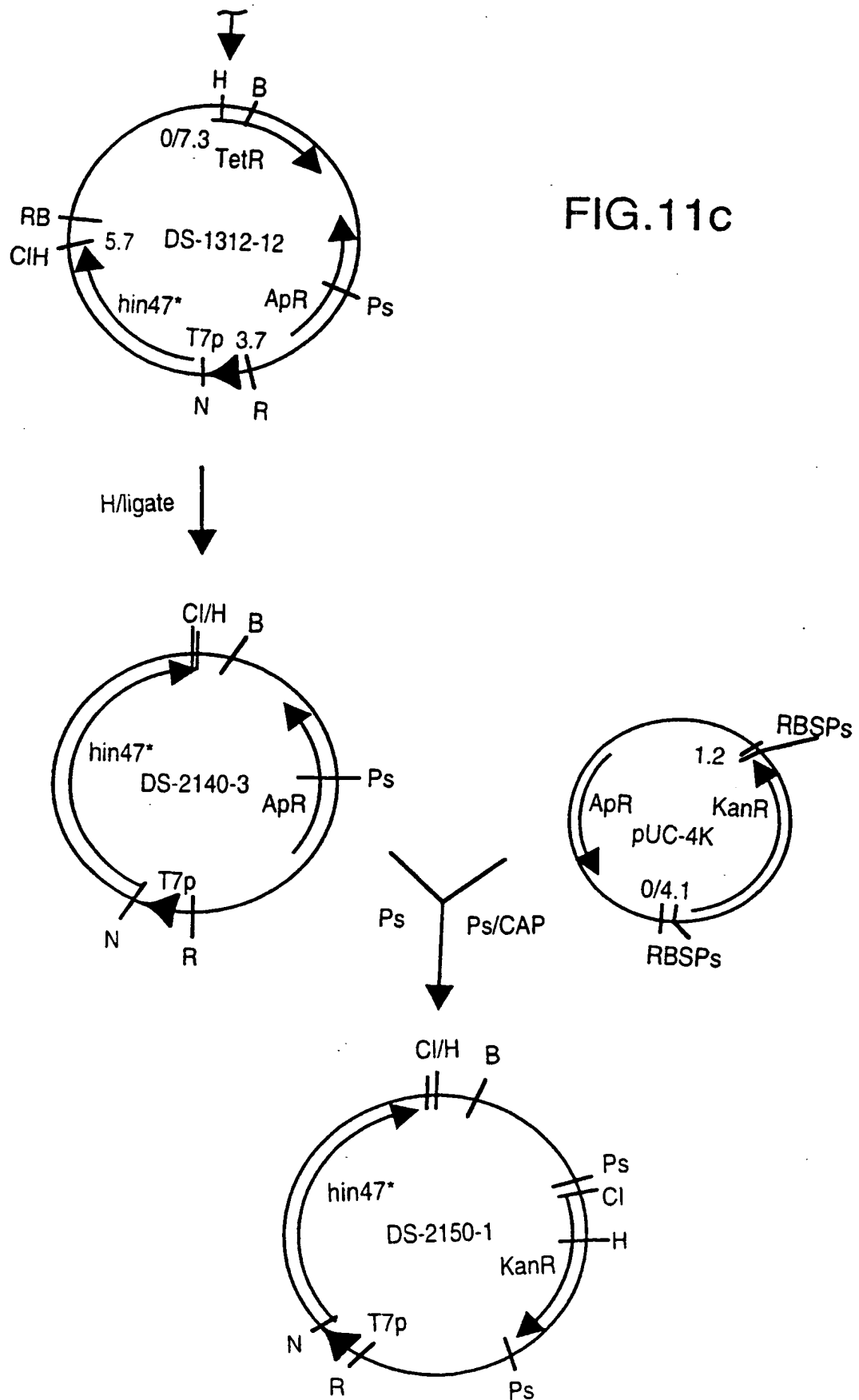


FIG.11b

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FIG.11c



pHMW1-15 Xb/B digestion 15 / 15
 Xb- B oligo to delete 5' flanking
 and leader sequence

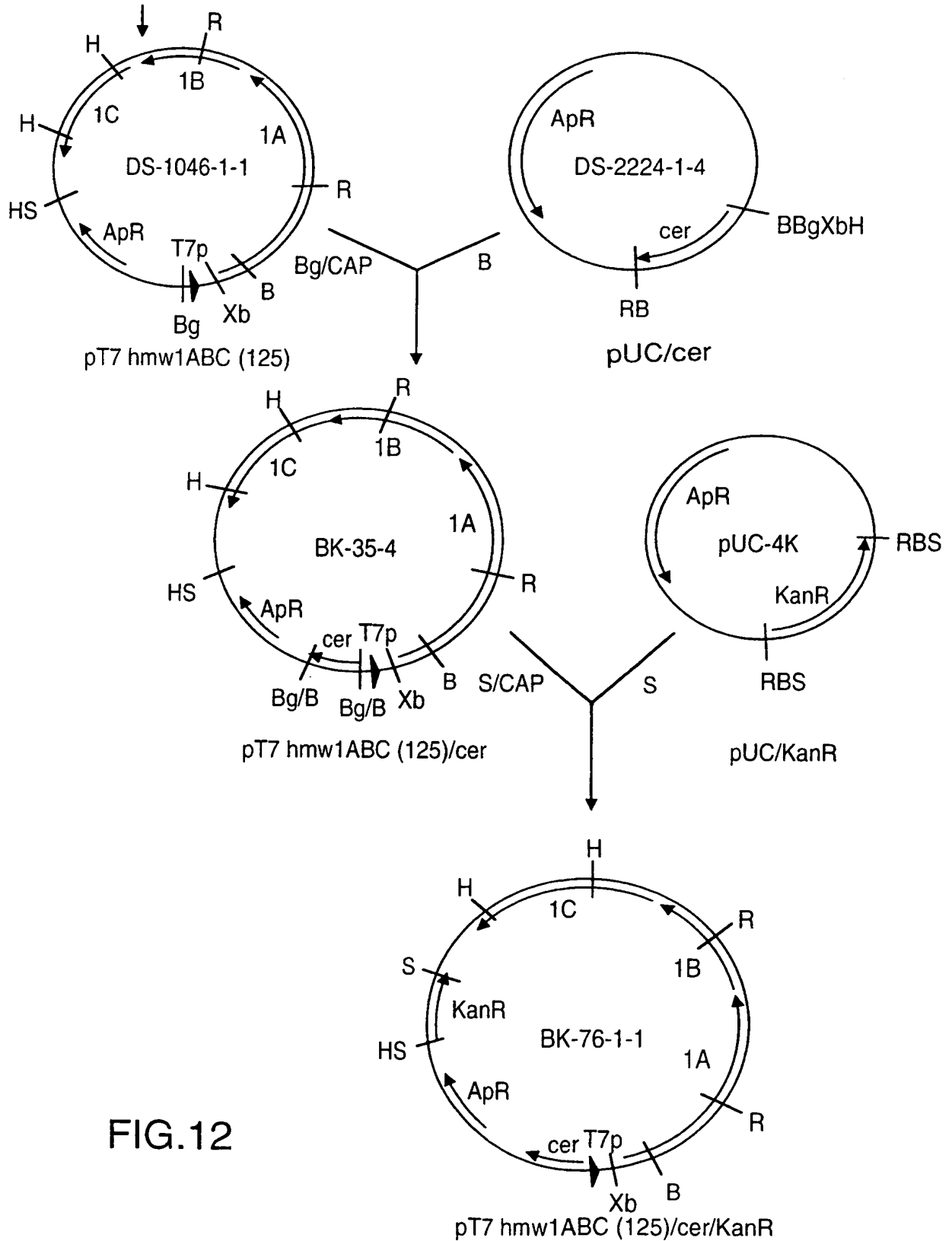


FIG.12